

# Severe Weather Threat

## August 15 2012

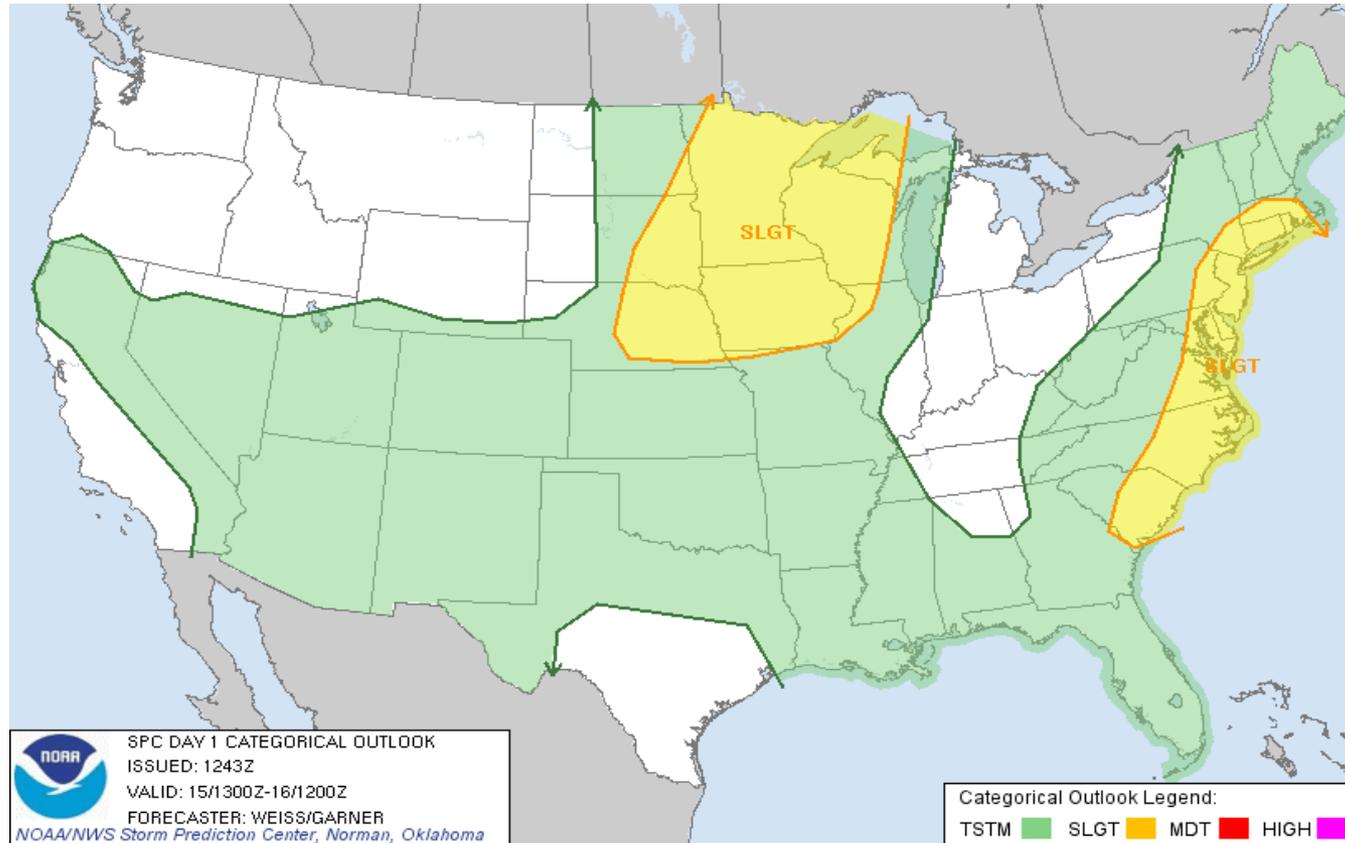
### Eastern North Carolina Threat Assessment

National Weather Service  
Newport/Morehead City, NC

# Major Points for Consideration

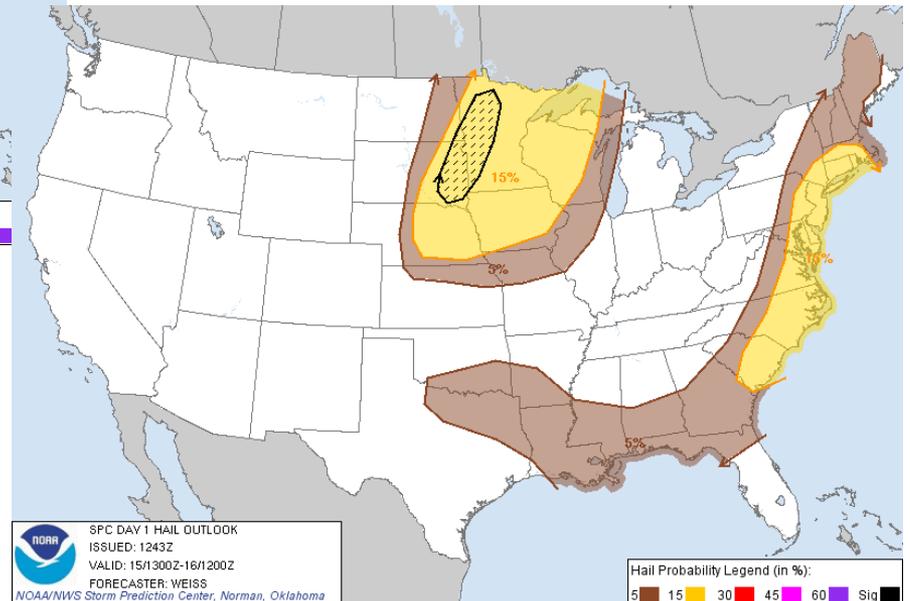
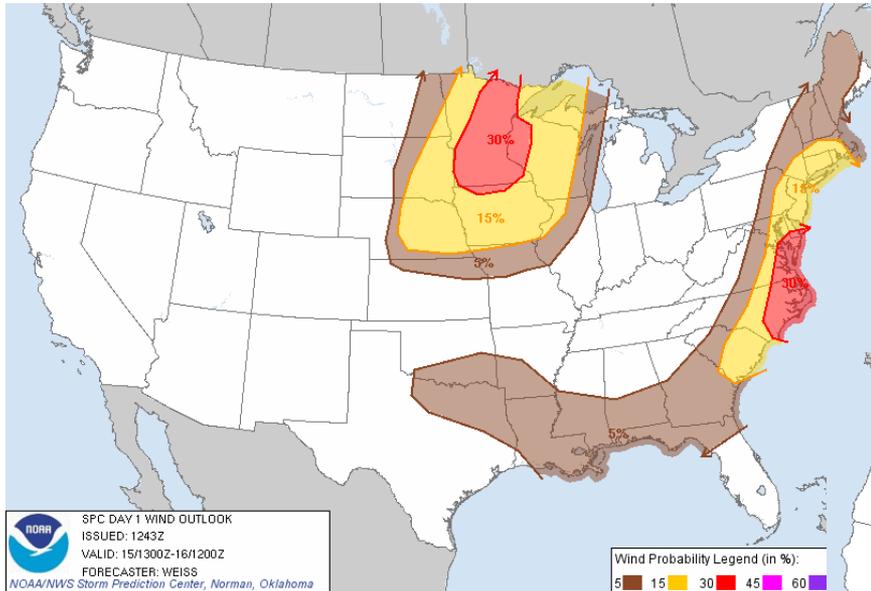
- A strong cold front will be approaching eastern North Carolina from the west late this afternoon. Ahead of the front temperatures are expected to rise to near 90 inland. These warm temperatures combined with an approaching upper level short wave trough will produce strong instability across the area. Thunderstorms are expected to develop or move into the region late in the afternoon and continue into the evening.
- Winds aloft will be favorable for organized thunderstorms, and when combined with the strong instability will likely lead to some of the storms becoming severe. At this time both damaging winds and large hail look like the main threat.
- The main threat for severe weather is expected to begin after 4 pm and will likely continue through the early evening as the cold front approaches from the west. The storms will begin to weaken during the mid and late evening, with the severe weather threat greatly diminished by midnight.
- Please continue to monitor the latest forecasts and updates from our Weather Forecast Office.

# Categorical severe weather outlook from the Storm Prediction Center.



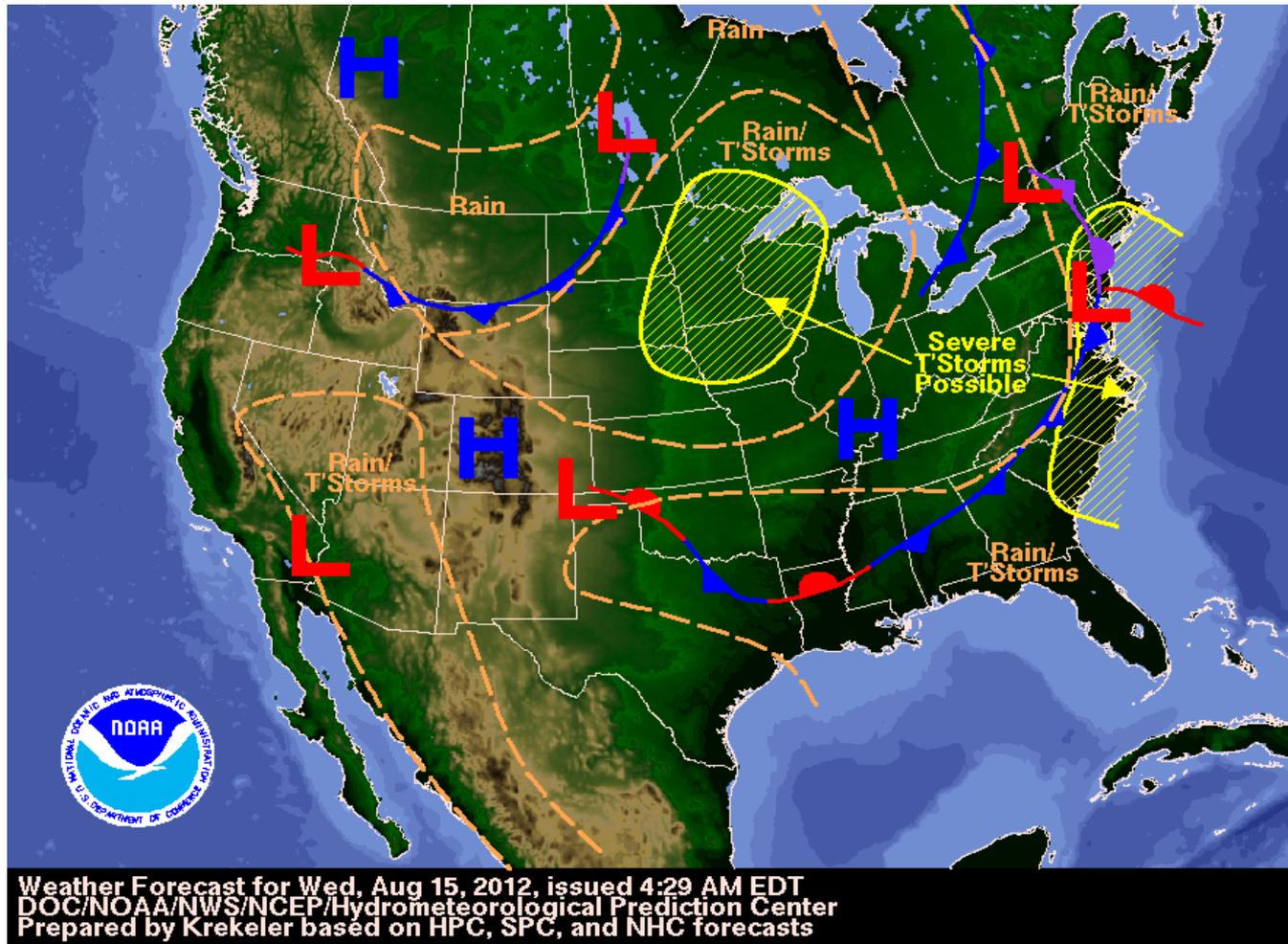
Slight risk of severe weather today for much of the eastern seaboard from southern New England to South Carolina.

# Probabilistic threats for severe wind and hail



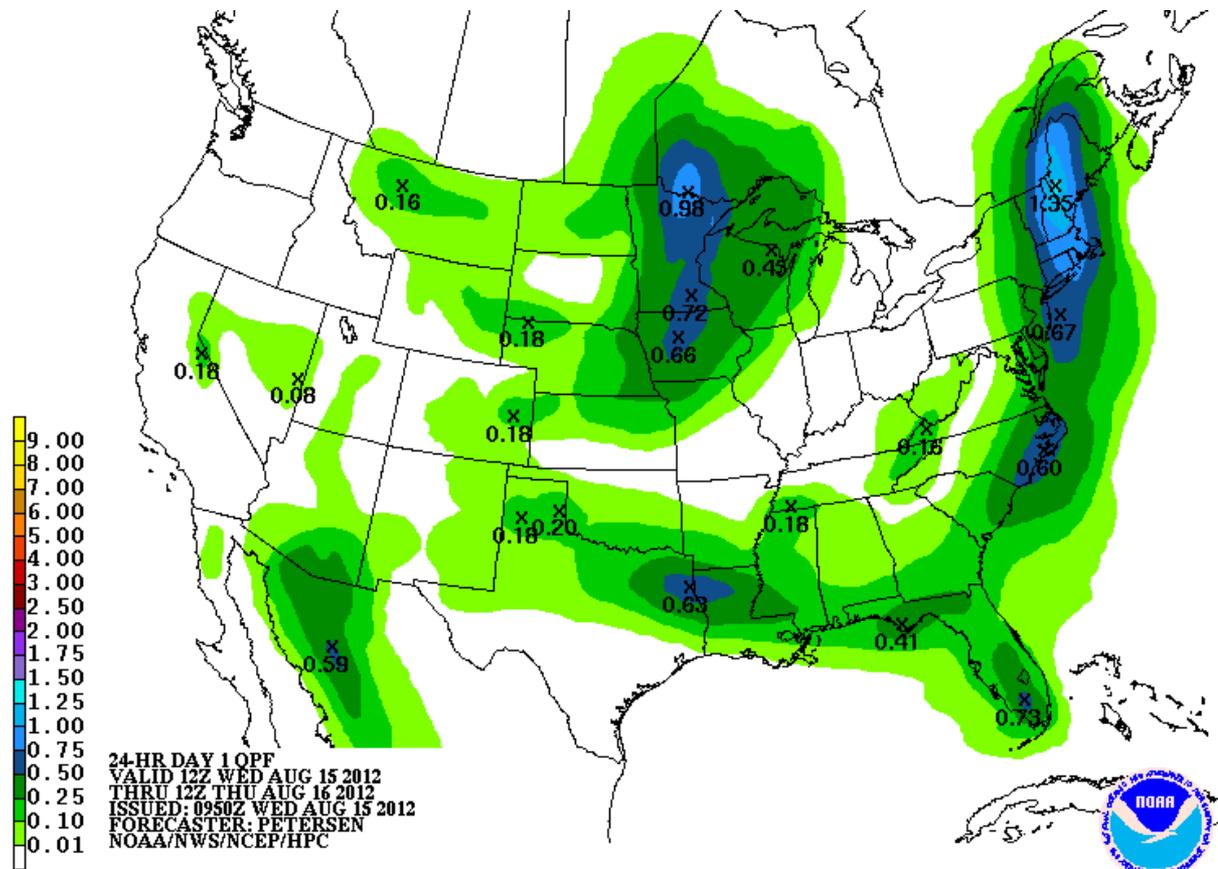
A 30% chance of severe wind (>58 MPH) and a 15% chance of severe hail (1" diameter or greater) for eastern North Carolina this afternoon and evening.

## National Forecast Map for Wednesday August 15<sup>th</sup>.



Strong cold front approaching the region with showers and thunderstorms along and ahead of it. There is a chance the storms could produce a significant wind damage and large hail threat.

# Today's Precipitation Forecast



Rainfall amounts are not expected to be excessive as the storms will likely be moving quickly. However, given the wet ground from previous rain, localized minor flooding could develop, particularly in poor drainage locations.

For updates call the forecaster on Duty  
(252) 223-5122 x5

### References

NWS Newport/Morehead City  
<http://www.erh.noaa.gov/mhx/>

Storm Prediction Center  
<http://www.spc.noaa.gov>

Rainfall Forecasts (QPF)  
<http://www.hpc.ncep.noaa.gov/qpf/qpf2.shtml>

NWS Newport/ Morehead City Facebook  
<http://www.facebook.com/pages/US-National-Weather-Service-NewportMorehead-City-NC/234322003272452?sk=wall>